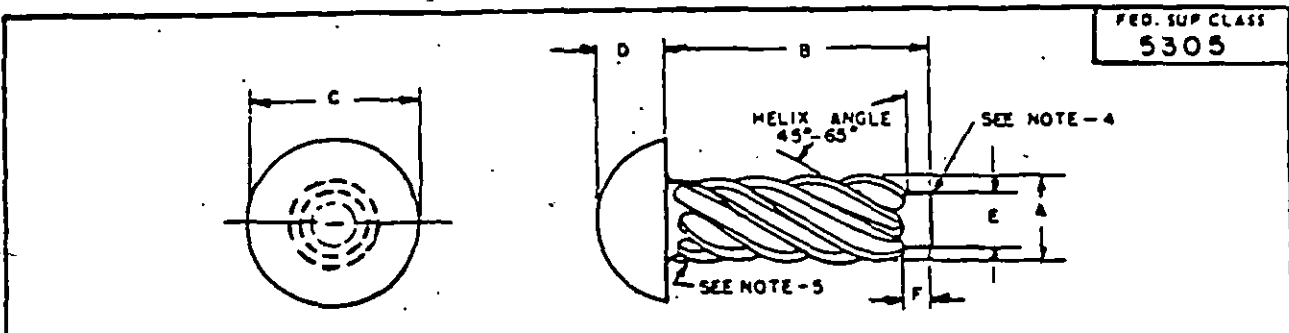


REVIEWER: MI, MO, IS, WC, 69
USER: EL, MU, CL, WP, SH, YD, WC

This standard has been approved by the Department of Defense and is mandatory for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.



FED. SUP CLASS
5305

NOMINAL SIZE			#00(.058)	#0(.073)	#2(.098)	#4(.114)	#6(.138)
THREADS IN CIRCUMFERENCE			6	6	8	7	7
*A BODY DIAMETER	Max		.060	.075	.100	.116	.140
	Min		.057	.072	.097	.112	.136
*C HEAD DIAMETER	Max		.099	.127	.162	.211	.260
	Min		.090	.118	.146	.193	.240
*D HEAD HEIGHT	Max		.034	.049	.069	.096	.103
	Min		.026	.041	.059	.075	.091
*E PILOT DIAMETER	Max		.049	.063	.083	.096	.116
	Min		.046	.060	.080	.092	.112
RECOMMENDED HOLE SIZE			.052	.067	.086	.104	.120
DRILL SIZE			55	51	44	37	31
*B LENGTH	LENGTH TOLERANCE	*F Pilot Reference	Dash Number	Dash Number	Dash Number	Dash Number	Dash Number
1/8	±1/64	3/64	1	7	13	19	
3/16		3/64	2	8	14	20	
1/4		3/64	3	9	15	21	27
5/16		3/64				22	28
3/8		1/16				23	29
1/2	±1/32	1/16					30
NOMINAL SIZE			#7(.152)	#8(.164)	#10(.179)	#12(.209)	#14(.239)
THREADS IN CIRCUMFERENCE			9	9	9	9	9
*A BODY DIAMETER	Max		.154	.167	.192	.212	.243
	Min		.150	.162	.177	.206	.236
*C HEAD DIAMETER	Max		.295	.309	.359	.409	.457
	Min		.264	.297	.334	.382	.429
*D HEAD HEIGHT	Max		.111	.120	.137	.153	.170
	Min		.099	.107	.123	.139	.155
*E PILOT DIAMETER	Max		.126	.136	.150	.177	.202
	Min		.122	.132	.146	.173	.198
RECOMMENDED HOLE SIZE			.136	.144	.161	.191	.221
DRILL SIZE			29	27	20	11	2
*B LENGTH	LENGTH TOLERANCE	*F Pilot Reference	Dash Number	Dash Number	Dash Number	Dash Number	Dash Number
5/16	±1/64	3/64	35				
3/8		1/16	36	41	46		
1/2		1/16	37	42	47	52	57
5/8	±1/32	3/64		43	48	53	58
3/4		5/64				54	59

(A) For changes see sheets 1 and 2.

P.A. WC Other Cmt SH 69	TITLE SCREW, DRIVE, ROUND HEAD, TYPE U, STEEL, CARBON, CADMIUM PLATED	MILITARY STANDARD MS21318
PROCUREMENT SPECIFICATION FF-3-107	SUPERSEDES (A) ANS35, BOM31, and BOM31.1	SHEET 1 OF 2

DD FORM 672-1 (Continued)

APPROVED 12 AUG 89 REVISED 13 OCT 1965

FED. SUP CLASS
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MATERIAL: Steel shall be in accordance with procurement specification.
PROTECTIVE COATING: Cadmium plated in accordance with procurement specification.
DIMENSIONS: All dimensions are in inches unless otherwise specified.
PART NUMBER: The MS part number consists of the MS number, plus the dash number.
 Example: MS21318-1.

RECOMMENDED USE: These drive screws are not recommended for use in material the thickness of which is less than one diameter of the screw.

NOTES: (1) For design feature purposes, this standard takes precedence over procurement documents referenced herein.

- (2) Reference documents shall be of the issue in effect on date of invitations for bid.
 (3) Symbols changed to agree with ASA B18.6.4.
 (4) The blunt end of the pilot, as illustrated above, may have a slight angle, due to the natural flow of material in the cut-off process.
 (5) Metallic drive screws shall have fully formed threads extending from base of pilot to the head except that threads at the starting end and under the head may be incomplete for a length equal to one-half of the maximum screw diameter, due to the natural flow of material in the thread forming operation.

(A)

INTERCHANGEABILITY TABLE

The screws covered by dash numbers given in ANS35 are cancelled after dates indicated on the documents. Use the numbers given in the preceding sheet. Use only new screws for design and replacement. Replacement shall be in accordance with this table. Cancelled screws may be used until existing stock is depleted.

TABLE II

CANCELLED ANS35	SUPERSEDED BY MS21318	CANCELLED ANS35	SUPERSEDED BY MS21318	CANCELLED ANS35	SUPERSEDED BY MS21318	CANCELLED ANS35	SUPERSEDED BY MS21318
00-2	-1	2-4	-15	6-6	-29	12-8	-52
00-3	-2	4-2	-19	6-8	-30	12-10	-53
00-4	-3	4-3	-20	8-6	-41	12-12	-54
0-2	-7	4-4	-21	8-8	-42	14-8	-57
0-3	-8	4-5	-22	9-10	-43	14-10	-58
0-4	-9	4-6	-23	10-6	-46	14-12	-59
2-2	-13	6-4	-27	10-8	-47		
2-3	-14	6-5	-28	10-10	-48		

APPROVED 12 AUG 1959 REVISED (A) FOR CHANGES SEE SHEET 1 AND 2

P.A. VC Other Code SH 69	TITLE SCREW, DRIVE, ROUND HEAD, TYPE U, STEEL, CARBON, CADMIUM PLATED	MILITARY STANDARD MS 21318
PROCUREMENT SPECIFICATION FF-S-107	SUPERSEDES (A) ANS35, BQX1, and BQX1.1	SHEET 2 OF (A)

DD FORM 672-1 (Continued)